BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : CONSTRUCTION OF BASAVALINGAPPA SAMUDAYA BHAVANA AND CONSTRUCTION OF AMBEDKAR BHAVAN IN AMRUTHAHALLI IN WARD NO 07 (CALL-7)

MEASUREMENT SHEET - First & Part Bill

Measurement Taken On

Chainage in m From	To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
Item No.01		Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers. well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and as per directions of the engineer incharge Columns								
Measurements Taken On										
		Second Floor Columns								
		Along grid 1								
		C3	Cum	3	0.45	0.45	3.45	2.10		
		C3	Cum	1	0.45	0.15	0.425	0.03		
		C3	Cum	2	0.15	0.15	0.425	0.02		
		C4	Cum	2	0.45	0.45	3.45	1.40		
		C4	Cum	2	0.15	0.15	0.425	0.02		
		Along grid 1'								
		C5	Cum	2	0.20	0.45	3.45	0.62		
		Along grid 2'								
		C5	Cum	2	0.20	0.45	3.45	0.62		
		Along grid 2								
		C1	Cum	1	0.45	0.60	3.30	0.89		
		C2	Cum	1	0.45	0.60	3.30	0.89		
		C4	Cum	1	0.45	0.45	3.30	0.67		
		C4	Cum	1	0.45	0.45	3.45	0.70		
		C4	Cum	1	0.15	0.15	0.43	0.01		
		Along grid 3								
		C1	Cum	2	0.45	0.60	3.30	1.78		
		C3	Cum	2	0.45	0.45	3.30	1.34		
		Along grid 4								
		C1	Cum	2	0.45	0.60	3.30	1.78		
		C3	Cum	2	0.45	0.45	3.30	1.34		
		Along grid 5								
		C2	Cum	2	0.45	0.60	3.30	1.78		
		C4	Cum	2	0.45	0.45	3.30	1.34		
		Along grid 6								
		C4	Cum	5	0.45	0.45	3.45	3.49		
		C4	Cum	1	0.45	0.15	0.425	0.03		
		C4	Cum	4	0.15	0.15	0.425	0.04		
							Total Executed Quantity	20.88		
							Schedule B Quantity	23.89		171984.00
							Now to be Paid Quantity	20.88	8236.78	171952.00

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER

15.11.2024

ASSISTANT EXECUTIVE ENGINEER

Assistant Executive Engi
Kodigehalli Sub Divisi
BBMP, Bangalore

Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
Item No.02	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and as per directions of the engineer incharge ROOF SLABS AND BEAMS								
Measurements Taken On									
	Second Floor Roof Beams								
	Beam B1 (300X600)	Cum	1	20.90	0.30	0.425	2.66		
	Beam B2 (450X750)	Cum	1	20.90	0.45	0.575	5.41		
	Beam B3 (450X750)	Cum	2	20.90	0.45	0.575	10.82		
	Beam B4 (450X750)	Cum	1	16.90	0.45	0.575	4.37		
	Beam B5 (300X600)	Cum	1	16.82	0.30	0.425	2.14		
	Beam B11 (200X600)	Cum	1	5.02	0.20	0.425	0.43		
	Beam B10 (200X600) along grid 2 b/w grid D & F	Cum	1	4.00	0.20	0.425	0.34		
	Beam B10 (200X600) along grid 1 b/w grid D & F	Cum	1	4.08	0.20	0.425	0.35		
	Beam B10 (200X600) along grid 1' & 2' b/w grid E & E'	Cum	2	2.20	0.20	0.600	0.53		
	Beam B14 (300X600)	Cum	1	24.85	0.30	0.425	3.17		
	Beam B15 (300X600)	Cum	1	24.85	0.30	0.425	3.17		
	Beam B8 (300X600)	Cum	1	18.60	0.30	0.425	2.37		
	Beam B9 (300X600)	Cum	1	18.60	0.30	0.425	2.37		
	Beam B10 (200X600) along grid E & E' b/w grid 1' & 2'	Cum	2	1.80	0.20	0.600	0.43		
	Beam SB1 (200X600)	Cum	2	4.60	0.20	0.425	0.78		
	Beam SB2 (200X600)	Cum	2	3.55	0.20	0.425	0.60		
	CB (450X175) along grid C b/w grid 1 & 2	Cum	1	4.75	0.45	0.175	0.37		
	CB (450X175) along grid C b/w grid 5 & 6	Cum	1	2.90	0.45	0.175	0.23		
	Second Floor Roof Slab								
		Cum	1	22.40	26.95	0.175	105.64		
		Cum	1	5.02	0.50	0.175	0.44		
	Deduction								
	Staircase Portion	Cum	-1	1.48	5.10	0.175	-1.32		
		Cum	-2	2.85	1.45	0.175	-1.45		
	Lift	Cum	-1	1.80	1.80	0.175	-0.57		
	Second Floor Staircase								
	First flight								
	Waist slab	Cum	1	3.00	1.45	0.175	0.76		
	Steps	Cum	10	1.45		0.02	0.32		
				triangular area 0.5*0.3*0.15=0.022					
	Landing slab	Cum	1	1.325	1.45	0.175	0.34		
	Second flight								
	Waist slab	Cum	1	2.42	1.27	0.175	0.54		
	Steps	Cum	8	1.27		0.02	0.22		

145.10 145.48

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 18-01-2024 ASSISTANT EXECUTIVE ENGINEER

Assistant Executive Engi
Kodigehalli Sub Divisi

Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
				triangular area 0.5*0.3*0.15=0.022					
	Landing slab	Cum	1	1.325	1.55	0.175	0.36		
	Third flight								
	Waist slab bottom	Cum	1	2.75	1.45	0.175	0.70		
	Steps	Cum	9	1.45		0.02	0.29		
				triangular area 0.5*0.3*0.15=0.022					
	Landing	Cum	1	2.1	1.65	0.175	0.61		
	Lintels								
	W	Cum	17	2.40	0.20	0.20	1.63		
		Cum	1	4.64	0.20	0.20	0.19		
	V	Cum	4	1.20	0.20	0.20	0.19		
		Cum	3	1.00	0.20	0.20	0.12		
	Door	Cum	1	2.40	0.20	0.20	0.10		
		Cum	1	1.50	0.20	0.20	0.06		
	Near Toilet Room	Cum	1	2.10	0.10	0.20	0.04		
		Cum	2	1.62	0.10	0.20	0.06		
		Cum	1	3.50	0.10	0.20	0.07	4.61	4.61
						Total Executed Quantity	**149.89**		
						Schedule B Quantity	**144.60**		
						Quantity upto 125%	**149.89**		
						Now to be Paid Quantity			
						Quantity upto 125%	**149.89**	**8985.57**	**1346850.00**
Item No.03	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and as per directions of the engineer incharge Chejja								
Measurements Taken On									
	W	Cum	12	2.10	0.30	0.075	0.567		
		Cum	1	4.34	0.30	0.075	0.098		
	Ventilator	Cum	1	3.20	0.30	0.075	0.072		
						Total Executed Quantity	**0.74**		
						Schedule B Quantity	**0.96**		8035.0
						Now to be Paid Quantity	**0.74**	**10857.56**	7998.00
Item No.04	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and as per directions of the engineer incharge Third Floor columns								
Measurements Taken On									
	Third Floor Columns								
	C1	Cum	4	0.45	0.60	0.89	0.96		
	C1	Cum	1	0.45	0.60	2.09	0.56		
	C2	Cum	3	0.45	0.60	0.89	0.72		
	C3	Cum	6	0.45	0.45	0.89	1.08		

3.33

CIVIL Sig Date BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 15.01.2024 15/1/24

Assistant Executive Engineer
Kodigchalli Sub Division

Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
	C3	Cum	1	0.45	0.45	2.09	0.42		
	C4	Cum	9	0.45	0.45	0.89	1.62		
	C4	Cum	2	0.45	0.45	2.39	0.97		
	C5	Cum	4	0.20	0.45	0.88	0.32	3.32	
						Total Executed Quantity	6.66		
						Schedule B Quantity	15.26		55395
						Now to be Paid Quantity	6.66	8317.53	55376.00
Item No.07	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately). as per Directions of the engineer incharge								
		Kg							
	Vide Total executed Quantity from premeasurement Page no. 01 to 1/9						32511.93		
						Total Executed Quantity	32511.93		
	(Work slip only)					Schedule B Quantity	32120.60		
						Quantity upto 125%	32511.93		
						Now to be Paid Quantity			
						Quantity upto 125%	32511.93	122.26	3974908.00
Item No.08	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately). as per Directions of the engineer incharge Third Floor								
		Kg							
	Vide Total executed Quantity from premeasurement Page no. 02 to 02/2						1297.86		
						Total Executed Quantity	1297.86		
						Schedule B Quantity	17416.30		
						Now to be Paid Quantity	1297.86	123.46	160234.00
Item No.09	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications and as per Directions of the engineer incharge.								
Measurements Taken On									
	Second Floor Wall								
	North Side	Sqm	1	20.63		3.45	71.16		
	South Side	Sqm	1	20.63		3.45	71.16		
	East Side	Sqm	1	20.45		3.45	70.55		
	West Side	Sqm	1	25.50		3.45	87.98		
	Around Staircase	Sqm	1	3.55		3.45	12.25		
		Sqm	1	4.60		3.45	15.87		
	Around Lift	Sqm	1	1.80		3.45	6.21		
		Sqm	2	1.30		3.45	8.97		
	Deduction								
	C3	Sqm	-7	0.45		3.45	-10.87		
	C4	Sqm	-10	0.45		3.45	-15.53		
	W	Sqm	-19	1.82		1.49	-51.35		
	V	Sqm	-1	0.44		0.51	-0.22		
		Sqm	-1	0.63		0.58	-0.37		
		Sqm	-1	0.64		5.85	-3.74		
		Sqm	-1	0.36		0.55	-0.20		
	Near Staircase	Sqm	-3	0.34		1.43	-1.46		

260.40

CIVIL DTO Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 15-01-2024 EXECUTIVE ENGINEER 15/1/24

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
		D	Sqm	-1	0.88		2.13	-1.87		
		MD	Sqm	-1	1.88		2.28	-4.29		
		Lintels								
		W	Sqm	-17	2.40		0.20	-8.16		
			Sqm	-1	4.64		0.20	-0.93		
		V	Sqm	-4	1.20		0.20	-0.96		
			Sqm	-3	1.00		0.20	-0.60		
		Door	Sqm	-1	2.40		0.20	-0.48		
			Sqm	-1	1.50		0.20	-0.30	17.54	27.99
								Total Executed Quantity	242.81	
								Schedule B Quantity	261.02	336632
								Now to be Paid Quantity	242.81	1386.40	336638.00
Item No.10		Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications and as per Directions of the engineer incharge. Third Floor								
Measurements Taken On										
		Parapet Wall								
		North Side	Sqm	1	20.63		0.89	18.36		
		South Side	Sqm	1	20.63		0.89	18.36		
			Sqm	1	3.55		0.89	3.16		
		East Side	Sqm	1	20.45		0.89	18.20		
			Sqm	1	4.6		0.89	4.09		
		West Side	Sqm	1	25.5		0.89	22.70		
		Deduction								
		C3	Sqm	-7	0.45		0.89	-2.80		
		C4	Sqm	-10	0.45		0.89	-4.01		
								Total Executed Quantity	78.05	
								Schedule B Quantity	244.46	109270.00
								Now to be Paid Quantity	78.05	1400.00	109274.00
Item no 11		Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.								
Measurements Taken On										
		Second Floor								
		Celing	Sqm	1	22.40	26.95		603.68		
			Sqm	1	5.02	0.50		2.51		
		Deduction								
		Staircase Portion	Sqm	-1	1.48	5.10		-7.53		
			Sqm	-2	2.85	1.45		-8.27		
		Lift	Sqm	-1	1.80	1.80		-3.24		
		C1	Sqm	-4	0.45	0.60		-1.08		
		C2	Sqm	-3	0.45	0.60		-0.81		
		C3	Sqm	-6	0.45	0.45		-1.22		
		C4	Sqm	-9	0.45	0.45		-1.82		
		C5	Sqm	-4	0.20	0.45		-0.36		
		Beams								
		Beam B1 (300X600)	Sqm	1	19.70		0.43	8.37		
		Beam B2 (450X750)	Sqm	2	19.70		0.43	16.75		
		Beam B3 (450X750)	Sqm	4	19.70		0.43	33.50		
		Beam B4 (450X750)	Sqm	2	15.78		0.43	13.41		
		Beam B5 (300X600)	Sqm	1	15.78		0.43	6.70		

66.60

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 15-01-2024 Assistant Executive Engin
Kodigehalli Sub Divisio
BBMP, Bangalore

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
		Beam B11 (200X600)	Sqm	2	4.42		0.43	3.76		
		Beam B10 (200X600) along grid 2 b/w grid D & F	Sqm	1	3.93		0.43	1.67		
		Beam B10 (200X600) along grid 1 b/w grid D & F	Sqm	1	3.93		0.60	2.36		
		Beam B10 (200X600) along grid 1 b/w grid D & F	Sqm	1	3.93		0.43	1.67		
		Beam B10 (200X600) along grid 1' & 2' b/w grid E & E'	Sqm	4	1.80		0.60	4.32		
		Beam B14 (300X600)	Sqm	1	25.05		0.43	10.65		
		Beam B15 (300X600)	Sqm	2	25.05		0.43	21.29		
		Beam B8 (300X600)	Sqm	2	18.80		0.43	15.98		
		Beam B9 (300X600)	Sqm	1	18.80		0.43	7.99		
		Beam B10 (200X600) along grid E & E' b/w grid 1' & 2'	Sqm	4	1.80		0.60	4.32		
		Beam SB1 (200X600)	Sqm	4	4.75		0.60	11.40		
		Beam SB2 (200X600)	Sqm	4	3.93		0.60	9.43		
		Second Floor Staircase								
		First flight								
		Waist slab	Sqm	1	3.00	1.45		4.35		
		Landing slab	Sqm	1	1.33	1.45		1.92		
		Second flight								
		Waist slab	Sqm	1	2.42	1.27		3.07		
		Landing slab	Sqm	1	1.33	1.55		2.05		
		Third flight								
		Waist slab bottom	Sqm	1	2.75	1.45		3.99	113.64	
		Landing	Sqm	1	2.10	1.65		3.47		
							Total Executed Quantity	774.28		
							Schedule B Quantity	839.79		
							Now to be Paid Quantity	774.28	251.45	194692.00
Item no 13		Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.								
Measurements Taken On										
		Second Floor - Internal Plastering								
		North Side	Sqm	1	21.35		3.45	73.66		
		South Side	Sqm	1	21.65		3.45	74.69		
		East Side	Sqm	1	26.60		3.45	91.77		
		West Side	Sqm	1	26.40		3.45	91.08		
		Lift	Sqm	2	1.80		3.45	12.42		
			Sqm	4	1.30		3.45	17.94		
		Near Staircase	Sqm	1	5.20		3.45	17.94		
			Sqm	2	4.17		3.45	28.77		
		Inside Gents Toilet	Sqm	1	4.19		0.90	3.77		
			Sqm	1	3.49		1.38	4.81		
			Sqm	1	1.61		0.76	1.22		
			Sqm	1	0.64		0.90	0.58		
			Sqm	1	1.07		0.90	0.96		
		Inside Ladies Toilet	Sqm	1	3.49		1.38	4.81		
			Sqm	1	3.90		0.90	3.51		

627.93

CIVIL ETO Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 16.01.2024

Assistant Executive Engineer
ASSISTANT EXECUTIVE ENGINEER
Kodigehalli Sub Division
BBMP, Bangalore

Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
		Sqm	1	0.82		0.90	0.74		
		Sqm	1	1.05		0.90	0.95	40.41	1.68 (429.61)
	Deduction								
	W	Sqm	-9.5	1.82		1.49	-25.68		
	V	Sqm	-0.5	0.44		0.51	-0.11		
		Sqm	-0.5	0.63		0.58	-0.18		
		Sqm	-0.5	0.64		5.85	-1.87		
		Sqm	-0.5	0.36		0.55	-0.10		
	Near Staircase	Sqm	-1.5	0.34		1.43	-0.73		
	D	Sqm	-0.5	0.88		2.13	-0.94		
	MD	Sqm	-0.5	1.88		2.28	-2.14		
	Toilet Doors	Sqm	-2	0.85		2.17	-3.69		
	Second Floor Staircase								
	First flight								
	Waist slab	Sqm	-2	3.00		0.175	-1.05		
	Landing slab	Sqm	-1	1.33		0.175	-0.23		
		Sqm	-1	1.45		0.175	-0.25		
	Second flight								
	Waist slab	Sqm	-2	2.42		0.175	-0.85		
	Landing slab	Sqm	-1	1.33		0.175	-0.23		
		Sqm	-1	1.55		0.175	-0.27		
	Third flight								
	Waist slab bottom	Sqm	-2	2.75		0.175	-0.96		
	Steps	Sqm	-50			0.023	-1.13	40.41	
				triangular area 0.5*0.3*0.15=0.022					
						Total Executed Quantity	389.20		
						Schedule B Quantity	394.87		
						Now to be Paid Quantity	389.20	379.48	147694.00
Item no 14	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. Third Floor								
Measurements Taken On									
	Head Room Walls								
		Sqm	1	5.20		1.20	6.24		
		Sqm	2	4.16		1.22	10.15		
	Triangle Portion	Sqm	2	0.58			1.16		
				Area of Triangle, 0.5*4.16*0.28=0.58					
		Sqm	1	2.29		0.88	2.02		
		Sqm	1	2.19		0.88	1.93		
		Sqm	1	1.99		0.88	1.75		
		Sqm	1	1.89		0.88	1.66		
		Sqm	1	1.77		2.39	4.23		
		Sqm	2	0.65		2.39	3.11		
						Total Executed Quantity	32.25		
						Schedule B Quantity	315.70		
						Now to be Paid Quantity	32.25	383.20	12358.00

CIVILPro Sig..... Date..... BANGALORE

CONTRACTOR

PMC

15.01.2024
ASSISTANT ENGINEER

EXECUTIVE ENGINEER

Assistant Executive Engineer
Kodigehalli Sub Division

Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
Item no 15	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.								
Measurements Taken On									
	Second Floor - Outside Plastering								
	North Side	Sqm	1	20.63		4.05	83.53		
	South Side	Sqm	1	20.63		4.05	83.53		
	East Side	Sqm	1	20.85		4.05	84.44		
	West Side	Sqm	1	25.53		4.05	103.40		
	Chejja	Sqm	24	2.10	0.30		15.12		
		Sqm	2	4.34	0.30		2.60		
		Sqm	24	0.30		0.075	0.54		
		Sqm	2	0.30		0.075	0.05		
	Passage								
	East Side	Sqm	1	25.90	1.50		38.85		
	South Side	Sqm	1	17.40	1.05		18.27		
		Sqm	1	5.00	1.50		7.50		
	Deduction								
	W	Sqm	-9.5	1.82		1.49	-25.68		
	V	Sqm	-0.5	0.44		0.51	-0.11		
		Sqm	-0.5	0.63		0.58	-0.18		
		Sqm	-0.5	0.64		5.85	-1.87		
		Sqm	-0.5	0.36		0.55	-0.10		
	Near Staircase	Sqm	-1.5	0.34		1.43	-0.75		
	D	Sqm	-0.5	0.88		2.13	-0.94		
	MD	Sqm	-0.5	1.88		2.28	-2.14		
						Total Executed Quantity	406.08		
						Schedule B Quantity	243.92		
						Quantity upto 125%	304.90		
						Quantity Above 125%	101.18		
						Now to be Paid Quantity			
						Quantity upto 125%	304.90	354.09	107962.00
						Quantity Above 125%	101.18	344.77	34884.00
Item no 16	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge. Third Floor								
Measurements Taken On									
	Parapet Wall								
	North Side	Sqm	2	20.63		0.89	36.71		
	South Side	Sqm	2	20.63		0.89	36.71		
		Sqm	2	3.55		0.89	6.32		
	East Side	Sqm	2	20.45		0.89	36.40		
		Sqm	2	4.60		0.89	8.19		
	West Side	Sqm	2	25.50		0.89	45.39		
	C1	Sqm	5	2.10		0.89	9.35		
	C2	Sqm	3	2.10		0.89	5.61		
	C3	Sqm	6	0.95		0.89	5.07		
		Sqm	1	0.50		0.89	0.45		
	C4	Sqm	6	0.95		0.89	5.07		
		Sqm	5	0.50		0.89	2.23		
	C5	Sqm	4	0.65		0.89	2.31		

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CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 15-01-2024 Assistant Executive Engi... 10/1/24

Kodigehalli Sub Divisi...
BBMP, Bangalore

Chainage in m		Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
		Top Face								
		North Side	Sqm	1	20.63	0.20		4.13		
		South Side	Sqm	1	16.17	0.20		3.23		
		East Side	Sqm	1	20.45	0.20		4.09		
		West Side	Sqm	1	25.50	0.20		5.10		
		C1	Sqm	4	0.45	0.60		1.08		
		C2	Sqm	3	0.45	0.60		0.81		
		C3	Sqm	6	0.45	0.20		0.54		
		C4	Sqm	9	0.45	0.20		0.81		
		Head Room Walls								
			Sqm	1	5.50		1.20	6.60		
			Sqm	2	4.46		1.22	10.88		
		Triangle Portion	Sqm	2	0.62			1.25		
					Area of Triangle, 0.5*4.46*0.28=0.62					
			Sqm	1	1.92		2.39	4.59		
							Total Executed Quantity	242.91		
							Schedule B Quantity	280.98		
							Now to be Paid Quantity	242.91	357.57	86858.00
Item no 17		Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc.								
Measurements Taken On										
		Second Floor								
		W	Sqm	19	1.82		1.485	51.35		
		V	Sqm	1	0.44		0.51	0.22		
			Sqm	1	0.63		0.58	0.37		
			Sqm	1	0.64		5.85	3.74		
			Sqm	1	0.36		0.55	0.20		
							Sub Total	55.88		
					Take 21Kg per Sqm					
			Kgs					1173.55		
							Total Executed Quantity	1173.55		
							Schedule B Quantity	1026.27		
							Quantity upto 125%	1173.55		
							Now to be Paid Quantity			
							Quantity upto 125%	1173.55	197.23	231458.00
Item no 19		Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets - grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass. standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made).								
Measurements Taken On										
		W	Sqm	19	1.82		1.485	51.35		
							Total Executed Quantity	51.35		
							Schedule B Quantity	47.52		
							Quantity upto 125%	51.35		
							Now to be Paid Quantity			
							Quantity upto 125%	51.35	8350.73	428819.00 428821.00

Assistant Executive Engineer 15-01-2024 Kodigehalli

CIVIL Dr. Sig..... Date..... BANGALORE

CONTRACTOR PMC 18.01.2024 ASSISTANT ENGINEER 18/1/24 ASSISTANT EXECUTIVE ENGINEER

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
Item no 21	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made).								
Measurements Taken On									
	In Toilet	Sqm	1	0.44		0.51	0.22		
		Sqm	1	0.63		0.58	0.37		
		Sqm	1	0.64		5.85	3.74		
		Sqm	1	0.36		0.55	0.20		
						Total Executed Quantity	4.53		
						Schedule B Quantity	1.35		
						Quantity upto 125%	1.69		
						Quantity above 125%	2.84		
						Now to be Paid Quantity			9493.00
						Quantity upto 125%	1.69	5617.14	9479.00
						Quantity above 125%	2.84	5615.50	15972.00
Item No.22	Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.								15948.00
Measurements Taken On									
	MD	Cum	1	8.33	0.20	0.08	0.13		
	D	Cum	1	6.36	0.15	0.08	0.08		
						Total Executed Quantity	0.21		
						Schedule B Quantity	0.15		
						Quantity upto 125%	0.19		
						Quantity above 125%	0.02		
						Now to be Paid Quantity			51642
						Quantity upto 125%	0.19	271801.33	50963.00
						Quantity above 125%	0.02	271722.01	6005.00
Item No.24	Providing and fixing in position fully panelled Teak wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures).								56968.00
Measurements Taken On									
	MD	Sqm	1	1.89		2.13	4.02		
	D	Sqm	1	0.88		2.15	1.89		
						Total Executed Quantity	5.91		
						Schedule B Quantity	3.78		
						Quantity upto 125%	4.73		
						Quantity above 125%	1.18		
						Now to be Paid Quantity			50923.00
						Quantity upto 125%	4.73	10765.99	50869.00
						Quantity above 125%	1.18	10762.84	12722.00
									12700.00

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR

PMC

ASSISTANT ENGINEER 18-01-2024

19/1/24

Assistant Executive Engineer
ASSISTANT EXECUTIVE ENGINEER
Kodigehalli Sub Division
BBMP, Bangalore

Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
Item No.26	French spirit polishing Two coats on new works including a coat of wood filler to give an even surface including preparing the surface after thoroughly cleaning oil, grease, dirt and foreign matter, sand papering smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								
Measurements Taken On									
		Sqm	2	2.08		2.30	9.57		
		Sqm	2	1.05		2.10	4.41		
						Total Executed Quantity	13.98		
						Schedule B Quantity	15.12		
						Now to be Paid Quantity	13.98	23.75	332.00
Item No.27	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.								
Measurements Taken On									
	Second Floor								
	Hall	Sqm	1	25.50	20.50		522.75		
	Balcony	Sqm	1	21.00	1.55		32.55		
		Sqm	1	1.13	2.20		2.49		
		Sqm	1	2.20	2.70		5.94		
		Sqm	1	1.30	2.00		2.60		
		Sqm	1	0.55	1.50		0.83		
		Sqm	1	17.40	1.05		18.27		
		Sqm	1	5.00	1.50		7.50		
	Deduction								
	For Flooring								
	Staircase Area	Sqm	-1	4.40	5.45		-23.98		
	Toilet Area	Sqm	-1	4.80	3.50		-16.80		
	Column								
		Sqm	-6	0.70	0.55		-2.31		
		Sqm	-10	0.50	0.25		-1.25		
		Sqm	-2	0.28	0.27		-0.15		
	Skirting								
	Hall								
	East Side	Sqm	1	11.40		0.10	1.14		
		Sqm	1	8.60		0.10	0.86		
		Sqm	1	4.40		0.10	0.44		
		Sqm	1	5.50		0.10	0.55		
	South Side	Sqm	1	13.50		0.10	1.35		
		Sqm	1	2.90		0.10	0.29		
	West Side	Sqm	1	23.30		0.10	2.33		
		Sqm	1	4.80		0.10	0.48		
		Sqm	1	3.50		0.10	0.35		
	North Side	Sqm	1	16.40		0.10	1.64		
	At Toilet Entrance	Sqm	2	0.90	0.20		0.36		
	For Columns								
		Sqm	6	2.45		0.10	1.47		
	Outside								
	Balcony	Sqm	1	21.00		0.10	2.10		
		Sqm	1	15.90		0.10	1.59		
		Sqm	1	5.00		0.10	0.50		

CIVIL Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 18.01.2024

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
	Deduction-For Skirting								
	MD	Sqm	-1	2.08		0.15	-0.31		
	D	Sqm	-1	1.05		0.15	-0.16		
	Staircase Area								
	From 1st Floor to Second Floor								
	1st Flight								
	Riser	Sqm	10	1.45		0.125	1.81		
	Thread	Sqm	9	1.45	0.32		4.18		
	Landing Area	Sqm	1	1.45	1.22		1.77		
	Deduction-column	Sqm	-1	0.27	0.25		-0.07		
	2nd Flight								
	Riser	Sqm	8	1.25		0.125	1.25		
	Thread	Sqm	7	1.25	0.32		2.80		
	Landing Area	Sqm	1	1.20	1.55		1.86		
	Deduction-column	Sqm	-1	0.27	0.25		-0.07		
	Third flight								
	Riser		8	1.40		0.125	1.40		
	Thread		7	1.40	0.32		3.14		
	Side Skerting								
	LHS	Sqm	1	1.35		0.10	0.14		
		Sqm	1	2.90		0.15	0.44		
		Sqm	1	2.35		0.10	0.24		
		Sqm	1	2.70		0.15	0.41		
		Sqm	1	2.40		0.10	0.24		
		Sqm	1	3.10		0.15	0.47		
	RHS								
		Sqm	1	2.50		0.15	0.38		
		Sqm	1	2.35		0.15	0.35		
		Sqm	1	0.20		0.10	0.02		
		Sqm	1	2.55		0.15	0.38		
	From Second Floor to Third Floor								
	1st Flight								
	Riser	Sqm	10	1.50		0.125	1.88		
	Thread	Sqm	9	1.50	0.32		4.32		
	Landing Area	Sqm	1	1.50	1.20		1.80		
	Deduction-column	Sqm	-1	0.40	0.25		-0.10		
	2nd Flight								
	Riser	Sqm	8	1.30		0.125	1.30		
	Thread	Sqm	7	1.30	0.32		2.91		
	Landing Area	Sqm	1	1.30	1.54		2.00		
	Deduction-column		-1	0.40	0.28		-0.11		
	Third flight								
	Riser	Sqm	9	1.40		0.125	1.58		
	Thread	Sqm	8	1.40	0.32		3.58		
	Side Skerting								
	LHS	Sqm	1	1.31		0.10	0.13		
		Sqm	1	2.97		0.15	0.45		
		Sqm	1	2.35		0.10	0.24		
		Sqm	1	2.38		0.15	0.36		
		Sqm	1	2.50		0.10	0.25		
		Sqm	1	2.74		0.15	0.41		
	RHS	Sqm	1	2.50		0.15	0.38		

42.00

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CONTRACTOR PMC ASSISTANT ENGINEER 18.01.2024

18/1/24

Assistant Executive Engineer
ASSISTANT EXECUTIVE ENGINEER
Kodigehalli Sub Division
BBMP, Bangalore

Chainage in m	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Amount Rs
		Sqm	1	2.34		0.15	0.35		
		Sqm	1	2.34		0.10	0.23		
		Sqm	1	0.30		0.125	0.04		
						Total Executed Quantity	606.51		
						Schedule B Quantity	654.64		
						Now to be Paid Quantity	606.51	3322.99	2015456.00
Item No.29	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.								
Measurements Taken On									
	Staircase	Sqm	1	8.20		0.90	7.38		
	Balcony	Sqm	2	1.50		1.20	3.60		
		Sqm	1	25.90		1.20	31.08		
		Sqm	1	22.40		1.20	26.88		
						Sub Total	68.94		
				Take 12kg per Sqm					
		Kg					827.28		
						Total Executed Quantity	827.28		
						Schedule B Quantity	1008.72		
						Now to be Paid Quantity	827.28	576.71	477101.00
Item No.30	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m² over an under coat of primer applied @ 0.80 ltr/10 m² of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.								
Measurements Taken On									
	Second Floor								
	W	Sqm	19	1.82		1.485	51.35		
	V	Sqm	1	0.44		0.51	0.22		
		Sqm	1	0.63		0.58	0.37		
		Sqm	1	0.64		5.85	3.74		
		Sqm	1	0.36		0.55	0.20		
						Total Executed Quantity	55.88		
						Schedule B Quantity	48.87		
						Quantity upto 125%	55.88		
						Now to be Paid Quantity Quantity upto 125%	55.88	122.26	6832.00
Item No.32	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.								
Measurements Taken On									
	Second Floor								
	North Side	Sqm	1	21.35		3.45	73.66		
	South Side	Sqm	1	21.65		3.45	74.69		
	East Side	Sqm	1	26.60		3.45	91.77		
	West Side	Sqm	1	26.40		3.45	91.08		
	Cealing								
	Hall	Sqm	1	25.50	20.50		522.75		

853.93

CIVIL Pro Sig..... Date..... BANGALORE

CONTRACTOR PMC ASSISTANT ENGINEER 18.01.2024

18/1/24

Assistant Executive Engineer
ASSISTANT EXECUTIVE ENGINEER
Kodigehalli Sub Division
BBMP, Bangalore